

PTO/SB/08A (07-05)

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known

Application Number	10/678,772
Filing Date	10/03/2003
First Named Inventor	Sheikh A. Akbar et al.
Art Unit	1775
Examiner Name	McNeil, Jennifer C.
Attorney Docket Number	OSU 2-206

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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**Examiner
Signature**

/Carlos Lopez/

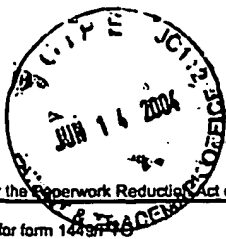
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First Named Inventor	Sheikh A. Akbar etal
Art Unit	
Examiner Name	
Attorney Docket Number	OSU 2-206

Sheet 1 of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CL		M. P. HAROLD, et al.; Catalysis with inorganic membranes; MRS Bulletin, 1994. 19(4): p. 34-9.	✓
		XAGAS, ANDROULAKI, HISKIA, & FALARAS; Preparation, fractal surface morphology and photocatalytic properties of TiO ₂ films. Thin Solid Films, 1999. 357(2): p. 173-178	✓
		O.K.VARGHESE, et al.; Crystallization and high-temperature structural stability of titanium oxide nanotube arrays. Journal of Materials Research, 2003. 18(1): p. 156-165	✓
		O'REGAN & GRAETZEL; A low cost, high-efficiency solar cell based on dye-sensitized colloidal titanium dioxide films. Nature (London, United Kingdom), 1991. 353(6346): p.5017-18	✓
		MARGUERETTAZ & FITZMAURICE; Heterosupramolecular chemistry: long-lived charge trapping by vectorial electron flow in a heterotriad. Journal of the American Chemical Society, 1994. 116(11): p. 5017-18	✓
		KASUGA, etal.; Formation of Titanium Oxide Nanotube. Langmuir, 1998. 14(12): p. 3160-3163	✓
		KASUGA, etal.; Titania nanotubes prepared by chemical processing. Advanced Materials (Weinheim, Germany), 1999. 11(15): p. 1307-1311	✓
		GONG, etal.; Titanium oxide nanotube arrays prepared by anodic oxidation. Journal of Materials Research, 2001. 16(12): p. 3331-3334	✓
↓		MICHAJLOWSKI, ALMAWLAWI, CHENG, & MOSKOVITS; Highly regular anatase nanotubule arrays fabricated in porous anodic templates. Chemical Physics Letters, 2001. 349 (1,2): p. 1-5	✓
CL		IMAI, etal.; Direct preparation of anatase TiO ₂ nanotubes in porous alumina membranes. Journal of Materials Chemistry, 1999. 9(12): p. 2971-2972	✓

Examiner Signature	/Carlos Lopez/	Date Considered	08/22/2006
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		Filing Date	10/3/2003
		First Named Inventor	Sheikh A. Akbar et al
		Art Unit	
		Examiner Name	
Sheet 2	of 2	Attorney Docket Number	OSU 2-206

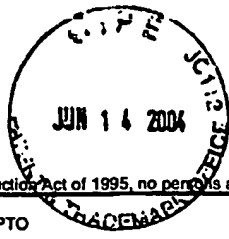
NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CL		DU, et al.; Preparation and structure analysis of titanium oxide nanotubes. Applied Physics Letters, 2001. 79(22): p. 3702-3704	✓
		SUGIURA, YOSHIDA & MINOURA; Designing a TiO2 nano-honeycomb structure using photoelectrochemical etching. Electrochemical and Solid-State Letters, 1998. 1(4): p. 175-177	✓
		IMHOF & PINE; Ordered Macroporous materials by emulsion templating. Nature (London), 1997. 389(6654): p. 948-951.	✓
		BARIN; Thermochemical Data of Pure Substances. ed., ed. Vol. 48, 573, 620, 622, 700, 702, 703, 1213, 1690-1696, 1775, 1778-1780. 1995, Weinheim, Germany: VCH Verlagsgesellschaft	✓
		LYNCH & BULLARD; Phase equilibria in the titanium-oxygen system. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1997, 28B(3): p. 447-453	✓
CL		CATLOW; Defect clustering in nonstoichiometric oxides, in Nonstoichiometric Oxides, O. Sorensen, Editor/Editors. 1981, Academic Press, Inc.: New York. p. 61-98	✓

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Filing Date	
First Named Inventor	Sheikh A. Akbar
Art Unit	
Examiner Name	
Attorney Docket Number	OSU 2-206

Sheet 1 of 3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
CL ↓ CL		US- 6,159,831	12-12-2000	Thrush et al.	
		US- 6,231,744	05-15-2001	Ying et al.	
		US- 6,270,571	08-07-2001	Iwasaki et al.	
		US- 6,313,015	11-06-2001	Lee et al.	
		US- 6,359,288	03-19-2002	Ying et al.	
		US- 20020001977 A1	01-03-2002	Gole, et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
CL		WO 98/48456 A1	10-29-1998	Ying		
CL		WO 03/053851 A2	07-03-2003	Park		
CL		DE 10064865 A1	07-04-2002	Graff, et al.		
		CN 1358670 A	07-17-2002	Qiu, et al.		
		CN 1419040 A	11-19-2004	Ting, et al.		
		JP 3409120 B2	03-20-2003	Makita, et al.		

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no
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Sheet 3

of 3

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Application Number

Filing Date

First Named Inventor

Sheikh A. Akbar

Art Unit

Examiner Name

Attorney Docket Number

OSU 2-206

U. S. PATENT DOCUMENTS

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		Country Code ² Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
		PW 444067D	07-01-2001	Shi, et al.		

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